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MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 16, 2003 (use as many sheets as necessary)				Complete if Known	
				Application Number	Unassigned
				Filing Date	07/16/2003
				First Named Inventor	Junichi TAKEUCHI
				Group Art Unit	Unassigned 2/29
Examiner Name	Unassigned				
Sheet	1	of	1	Attorney Docket Number	040405-0363

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
OFR	A1	P. BURGE, et al., "Detecting Cellular Fraud Using Adaptive Prototypes.", (Proceedings of AI Approaches to Fraud Detection and Risk Management), pp. 9-13, 1997.	
OFR	A2	K. YAMANISHI, et al., "On-line Unsupervised Outlier Detection Using Finite Mixtures with Discounting Learning Algorithms", (Proceedings of the sixth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, ACM Press), pp. 320-324, 2000.	
OFR	A3	U. MURAD, et al., "Unsupervised Profiling for Identifying Superimposed Fraud", (Proceedings of 3 rd European conference on Principles and Practice of Knowledge Discovery in Database), pp. 251-261, 1999.	
OFR	A4	B. GUTHERY, "Partition Regression", in Journal of American Statistical Association, vol. 69, pp. 945-947, 1974.	
OFR	A5	M. HUŠKOVÁ, "NONPARAMETRIC PROCEDURES FOR DETECTING A CHANGE IN SIMPLE LINEAR REGRESSION MODELS", <i>Applied Change Point Problems in Statistics</i> , Nova Science Publishers, Inc., 1995.	
OFR	A6	V. GURALNIK, et al., "Event Detection from Time Series Data", (Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, ACM Press), pp. 32-42, 1999.	

Examiner Signature	/Omar Fernandez Rivas/	Date Considered	05/12/2006
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number or the patent document.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: March 7, 2006 (use as many sheets as necessary)		Complete if Known	
Application Number		10/619,626	
Filing Date		7/16/2003	
First Named Inventor		Junichi TAKEUCHI	
Group Art Unit		2129	
Examiner Name		Fernandez Rivas, Omar F.	
Attorney Docket Number		040405-0363	

U.S. PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
OFR	A1	JP	2001-101154		NEC Corporation	April 13, 2001		ABS
OFR	A2	GB	2361336		NEC Corporation	October 17, 2001		

NON PATENT LITERATURE DOCUMENTS

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OFR	A3	Vasundhara Puttagunta, et al., Adaptive Methods for Activity Monitoring of Streaming Data, Proceedings of the 2002 International Conferences on Machine Learning and Applications (ICMLA '02), U.S.A., CSREA Press, June 24, 2002, pp. 197-203, [Searched February 2, 2006], Internet <URL, http://www.csee.umbc.edu/~kalpakis/homepage/papers/kalpakisICMLA02.pdf >	
OFR	A4	Kenji Yamanishi et al., "Data Mining with Statistic Outlier Detection and Application to Network Invasion Detection," Technical Research Reports of the Institute of Electronics, Information and Communication Engineers, Japan, the Institute of Electronics, Information and Communication Engineers, June 14, 2002, Vol. 102, No. 132, pp. 19-24	
OFR	A5	Ikuo Yonemoto et al., "On-line Estimation of Probability Density Function Using Information Quantity Standard," Technical Research Reports of the Institute of Electronics, Information and Communication Engineers, Japan, the Institute of Electronics, Information and Communication Engineers, December 18, 1998, Vol. 98, No. 490, pp. 189-194	

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